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UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 C.F.R. 1.53(b))

Attorney Docket No. 13176.431US

First Inventor Carlos A. Paz de Araujo

Title Ferroelectric And High Dielectric Constant Integrated Circuit
Capacitors With Three-Dimensional Orientation For High-Density
Memories, And Method Of Making The Same

Express Mail Label No. EL977170093US

17410 U.S. PTO
17410/604413

07/24/03

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)

2. Applicant claims small entity status.
See 37 CFR 1.27.

3. Specification [Total Pages 47]
(preferred arrangement set forth below)
 - Descriptive title of the Invention
 - Cross Reference to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table, or a computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (*if filed*)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure

4. Drawing(s) (35 U.S.C. 113) [Total Sheets 12]

5. Oath or Declaration [Total Sheets 3]
 a. Newly executed (original or copy)
 b. Copy from a prior application (37 CFR 1.63 (d))
(for a continuation/divisional with Box 18 completed)
 i. **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).

6. Application Data Sheet. See 37 CFR 1.76 (5 pages)

ADDRESS TO:Commissioner for Patents
Mail Stop Patent Application
P.O. Box 1450
Alexandria VA 22313-1450

7. CD-ROM or CD-R in duplicate, large table or Computer Program (*Appendix*)

8. Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)

a. Computer Readable Form (CRF)
 b. Specification Sequence Listing on:
 i. CD-ROM or CD-R (2 copies); or
 ii. paper
 c. Statements verifying identity of above copies

ACCOMPANYING APPLICATIONS PARTS

9. Assignment Papers (cover sheet & document(s)) (3 pages)

10. 37 C.F.R. 3.73(b) Statement Power of Attorney
(when there is an assignee)

11. English Translation Document (*if applicable*)

12. Information Disclosure Statement (IDS) Form Copies of IDS Citations (12 US; 1 Foreign)
PTO/SB/08A (1 page)

13. Preliminary Amendment

14. Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)

15. Certified Copy of Priority Document(s)
(if foreign priority is claimed)

16. Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.

17. Other: Express Mail Certificate (1 page)

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

Continuation Divisional Continuation-in-part (CIP) of prior Applications No: 10/302,441; 10/302,442; 09/998,469
Prior application information: Examiner Tsai, H. Jey; Unknown; Ginette Peralta Art Unit: 2812; 2814; 2814

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS Customer Number or Bar Code Labelor Correspondence address below
(Insert Customer No. or Bar Code Label here)

Name	24283			
PATENT TRADEMARK OFFICE				
Address				
City	State		Zip Code	
Country	Telephone		Fax	

Name (Print/Type)	Thomas Swenson	Registration No. (Attorney/Agent)	36,696
Signature	Thomas Swenson		Date

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Certificate of Mailing under 37 CFR 1.10

Application Number	Applied For
Filing Date	Herewith
First Named Inventor	Carlos A. Paz d Araujo
Examiner Name	Unknown
Attorney Docket Number	13176.431US

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage in an Express Mail envelope bearing label number: EL977170093US addressed to:

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

On 7/24/03
(Date)



Jennifer Smith
Typed or printed name of person signing Certificate

Note: Each paper must have its own certificate of mailing, or this certificate must identify each submitted paper.

Documents submitted with this Certificate of Mailing if more than one:

1.	Utility Patent Application Transmittal Form PTO/SB/05 (1 page)
2.	Fee Transmittal Form PTO/SB/17 (2 for a total of 2 pages)
3.	Specification (38 pages)
4.	Claims (8 pages – 81 claims)
5.	Abstract (1 page)
6.	Formal Drawings (12 sheets – 20 figures)
7.	Combined Declaration And Power Of Attorney (3 pages)
8.	Application Data Sheet (5 pages)
9.	Recordation Form Cover Sheet Form PTO-1595 (1 page)
10.	Assignment Of Invention (2 pages)
11.	Information Disclosure Statement Form PTO/SB/08A (1 page)
12.	IDS References (12 US, 1 Foreign)
13.	Return Receipt Postcard

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FEE TRANSMITTAL for FY 2003

Effective 01/01/2003. Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT** (\$)
1972**Complete If Known**

Application Number	Applied For
Filing Date	Herewith
First Named Inventor	Carlos A. Paz de Araujo
Examiner Name	Unknown
Art Unit	Unknown
Attorney Docket No.	13176.431US

METHOD OF PAYMENT (check all that apply)
 Check Credit card Money Other None
 Order
 Deposit Account
Deposit
Account
Number

50-1848

Deposit
Account
Name

Patton Boggs LLP

The Director is authorized to: (check all that apply)

 Charge fee(s) indicated below Credit any overpayments
 Charge any additional fee(s) during the pendency of this application
 Charge fee(s) indicated below, except for the filing fee
 to the above-identified deposit account.
FEE CALCULATION**1. BASIC FILING FEE****Large Entity** **Small Entity**

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
1001	750	2001	375	Utility filing fee	750
1002	330	2002	165	Design filing fee	
1003	520	2003	260	Plant filing fee	
1004	750	2004	375	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	

SUBTOTAL (1)

(\$ 750)

2. EXTRA CLAIM FEES

Total Claims	81	-20 **	=	61	X	18	=	1098
Independent Claims	4	-3 **	=	1	X	84	=	84
Multiple Dependent			X				=	0

Large Entity **Small Entity**

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description
1202	18	2202	9	Claims in excess of 20
1201	84	2201	42	Independent claims in excess of 3
1203	280	2203	140	Multiple dependent claim, if not paid
1204	84	2204	42	** Reissue independent claims over original patent
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2)

(\$ 1182)

FEE CALCULATION (continued)**3. ADDITIONAL FEES**

Large Entity	Small Entity	Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code (\$)	Fee (\$)
1051	130	2051	65
1052	50	2052	25
1053	130	1053	130
1812	2,520	1812	2,520
1804	920*	1804	920*
1805	1,840*	1805	1,840*
1251	110	2251	55
1252	410	2252	205
1253	930	2253	465
1254	1,450	2254	725
1255	1,970	2255	985
1401	320	2401	160
1402	320	2402	160
1403	280	2403	140
1451	1,510	1451	1,510
1452	110	2452	55
1453	1,300	2453	650
1501	1,300	2501	650
1502	470	2502	235
1503	630	2503	315
1460	130	1460	130
1807	50	1807	50
1806	180	1806	180
8021	40	8021	40
1809	750	2809	375
1810	750	2810	375
1801	750	2801	375
1802	900	1802	900
Other fee (specify) _____			

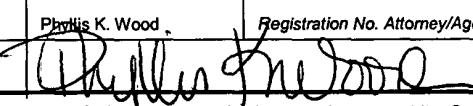
*Reduced by Basic Filing Fee Paid

SUBTOTAL (3)

(\$ 40)

**or number previously paid, if greater; For Reissues, see above

SUBMITTED BY**Complete (if applicable)**

Name (Print/Type)	Phyllis K. Wood	Registration No. Attorney/Agent)	38,663	Telephone	303-894-6118
Signature					

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